

Customer Number 24498  
Serial No.: 10/575,676

PU030282



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jill MacDonald Boyce; Cristina Gomila, Joan Llach  
Alexandros Tourapis; Jeffrey Cooper; Peng Yin  
Serial No.: 10/575,676  
Filed: October 25, 2006  
For: TECHNIQUE FOR BIT-ACCURATE FILM GRAIN  
SIMULATION  
Examiner: Anand P. Bhatnagar  
Art Unit: 2624

(SUPPLEMENTAL) INFORMATION DISCLOSURE STATEMENT

- ☒ 1 Pursuant to 37 CFR 1.97(b)  
[within 3 months of filing or prior to 1st Office Action]  
☐ 2 Certification Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]  
☐ 3 Fee Payment Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]  
☐ 4 Certification & Submission Fee Payment Pursuant to 37 CFR 1.97(d)  
[before issue fee payment]

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 & 1.98:

[XX] 5 List of documents on form PTO-SB08a (b) together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]  
☐ 7 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and  
☐ 8 The required certification made in item 11 below; or  
☐ 9 The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.  
☐ 10 37 CFR § 1.97(d): [before issue fee payment]; and  
(a) The \$180.00 fee specified in 37 CFR §1.17(p) for submission

of this Information Disclosure Statement is authorized in  
item 14 below.

(b) The required Certification is stated in item 11 below.

[ ] 11 Certification

[ ] 12 That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or

[ ] 13 That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

[XX] 14 If any fees are due, please charge the applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0832.

Respectfully Submitted,

BY:

Robert B. Levy  
Senior Patent Counsel  
Registration No. 28,234  
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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE  
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Sheet

1

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7

**Complete if Known**

Application Number

10/575,676

Filing Date

October 25, 2006

First Named Inventor

Jill MacDonald Boyce

Art Unit

2624

Examiner Name

Anad P. Bhatnagar

Attorney Docket Number

PU030282

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-5550815	08-27-1996	Cloonan et al	
		US-5659382	08-19-1997	Rybczynski	
		US-5917609	06-29-1999	Breeuwer et al	
		US-6219838	04-17-2001	Cherichetti et al	
		US-6269180	07-31-2001	Sevigny	
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		US-7738722	06-15-2010	Gomila et al	
		US-7742655	06-22-2010	Gomila et al	
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		US-2002/171649	11-21-2002	Fogg	
		US-2003/0043922	03-06-2003	Kalker et al	
		US-2003/0206231	11-06-2003	Chen et al	
		US-2002/0206662	11-06-2003	Avinash et al	
		US-2001/0056568	12-27-2001	Hirotsu et al	=JP 2001/357090
		US-2006/0082649	04-20-2006	Gomila et al	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		EP 0364285	04-18-1990	M.I.T		
		EP0575006	12-22-1993	Kodak		
		EP0756281	01-29-1997	Sony		
		EP 1511320	03-02-2005	Matsushita		
		WO 00/18109	03-3-2000	Philips		
		WO 02/33958	04-25-2002	Kodak		
		WO 97/10676	03-20-1997	Philips		
		WO 2004/034518	04-14-2005	Thomson		
		WO 2004/095829	11-04-2004	Thomson		

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Sheet 2 of 7

**Complete if Known**

Application Number	10/575,676
Filing Date	October 25, 2006
First Named Inventor	Jill MacDonald Boyce
Art Unit	2624
Examiner Name	Anad P. Bhatnagar
Attorney Docket Number	PU030282

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		US-2006/0083316	04-20-2006	Cooper et al	
		US-2006/0083426	04-20-2006	Cooper et al	
		US-2006/0182183	08-17-2006	Winger	
		US-2006/0291557	12-28-2006	Tourapis	
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		US-2008/0252781	10-16-2008	DeWaele et al	= JP2007/5299445
		US- 2006/0072660	04-06-2006	Jia et al	
		US- 2007/0002974	01-04-2007	Lu et al	
		US- 2004/0013308	01-22-2004	Jeon et al	
		US- 5832172	01-16-2003	Tidwell	
		US- 6327391	12-04-2001	Ohnisi et al	
		US- 6496221	12-17-2002	Wolf et al	
		US- 6995793	02-07-2006	Albadawi et al	

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		WO 2005/027045	03-24-2005	Thomson		
		WO 2005/039189	04-28-2005	Thomson		
		WO 2006/057703	06-01-2006	Thomson		
		JP 4-097681	03-30-1992	Nippon T & T		Abstract
		JP 8-079765	03-22-1996	Sony		Abstract
		JP 8-149466	06-07-1996	Sanyo		MT
		JP 9-062718	03-07-1997	Sony		Abstract
		JP 2001/357090	12-26-2001	Hitachi Ltd	=US2001056568	

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Sheet 3 of 7

**Complete if Known**

Application Number	10/575,676
Filing Date	October 25, 2006
First Named Inventor	Jill MacDonald Boyce
Art Unit	2624
Examiner Name	Anad P. Bhatnagar
Attorney Docket Number	PU030282

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		US-			
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		JP 2002/359845	12-13-2005	Matsushita		MT
		JP 2007/529945	10-25-2007	Philips	=US2008/0252781	

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4

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Application Number	10/575,676
Filing Date	October 25, 2006
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Art Unit	2624
Examiner Name	Anad P. Bhatnagar
Attorney Docket Number	PU030282

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Office Action from SN 10/552,179 mailed September 1, 2010	
		Office Action from SN 10/556,833 mailed May 10, 2010	
		Final Office Action from SN 10/556,833 mailed October 20, 2010	
		Office Action from SN 10/556,833 mailed January 7, 2011	
		Office Action from SN 10/556,833 mailed February 15, 2011	
		Office Action from SN 10/556,833 mailed May 10, 2011	
		Office Action from SN 10/556,833 mailed September 30, 2011	
		Final Office Action from SN 10/571,148 mailed May 12, 2010	
		Office Action from SN 10/571,148 mailed September 10, 2010	
		Office Action from SN 10/572,820 mailed March 19, 2010	
		Office Action from SN 10/572,820 mailed May 11, 2010	

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		Final Office Action from SN 10/572,820 mailed September 30, 2010	
		Office Action from SN 11/246,848 mailed July 6, 2010	
		Final Office Action from SN 11/246,848 mailed October 13, 2010	
		Office Action from SN 11/268,070 mailed July 21, 2010	
		Final Office Action from SN 11/268,070 November 12, 2010	
		Office Action from SN 11/268,070 mailed January 11, 2011	
		Office Action from SN 11,268,070 mailed June 22, 2011	
		Final Office Action from SN 11/273,067 mailed August 4, 2010	
		Office Action from SN 11/284,378 mailed August 31, 2010	
		Office Action from SN 11/284,378 mailed December 22, 2010	
		Office Action from SN 11/667581 mailed June 8, 2011	

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		Final Office Action from SN 11/667,581 mailed October 14, 2011	
		Office Action from SN 11/667,629 mailed July 9, 2010	
		Final Office Action from SN 11/667,629 mailed November 19, 2010	
		Office Action from SN 11/667,629 mailed January 13, 2011	
		Final Office Action from SN 11/667,629 mailed April 22, 2011	
		Office Action from SN 11/667,816 mailed September 15, 2011	
		Final Office Action from SN 11/667,816 mailed December 5, 2011	
		Office Action from SN 11/667,846 mailed October 4, 2011	
		Office Action from SN 12/589,217 mailed July 13, 2010	
		Final Office Action from SN 12/589,217 mailed October 28, 2010	
		Office Action from SN 12/589,217 December 2, 2010	

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		GOMILA et al: "Film Grain Modeling vs. Encoding ", May 23-27, 2003. JVT of ISO/IEC MPEG & ITU-T VCEG 11 <sup>th</sup> Meeting, Munich, DE, March 15-19, 2004	
		CONKLIN et al: "Dithering 5-Tap Filter for Inloop Deblocking", JVT of ISO/IEC MPEG & ITU-T VCEG, 3 <sup>rd</sup> Meeting, Fairfax, Virginia, May 6-10, 2002, pages 1-16.	
		BYUN et al: "Power Efficient MPEG-4 Decoder Featuring Low-Complexity Error Resilience", ASIC, 2002 Proceedings, 2002 IEEE ASIA-PACIFIC CONFERENCE on August 608, 2002, Piscataway, NJ USA, IEEE	
		TAKASHI et al: "A 60-MWMPG4 VIDEO CODEC Using Clustered VoltageScaling with Variable Supple-Voltage Scheme"; IEEE Journal of Solid-State Circuits, IEEE Service Center, Piscataway, NJ USA, vol. 33, no. 11, November 1998, pages 1772-1778.	
		PURI et al: "Video Coding Using the H.264/MPEG-4 AVC Compression Standard", Signal Processing Image Communication, Elsevier Science Publishers, Amsterdam, NL. vol. 19, no. 9, October 1, 2004, pages 7993-849,	
		PIRSCH et al: "VLSI Architectures for Video Compression-A Survey", Proceedings of the IEEE, IEEE, New York, USA, vol. 83, no. 2, February 1, 1995, pages 220-246	

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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